## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2005/002155

Ascording to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)  Int. Cl. GO2B1/04, CO8F4/642, 4/654, 8/04, 32/00  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitcayo Shinan Roho 1922-1996 Jitcayo Shinan Touroku Koho 1996-2005 Rokaci Jitcayo Shinan Roho 1971-2005 Touroku Jitcayo Shinan Koho 1994-2005  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category*  Citation of document, with indication, where appropriate, of the relevant passages  Relevant to claim No.  X. JP 7-324108 A (Nippon Zeon Co., Ltd.), 2-9-30, 29-30, 12-29			FC1/0F2	.005/002155				
B. FIELDS SEARCHED  Minimum documentation searched (classification system followed by classification symbols)  Int. C17 G02B1/04, C0BF4/642, 4/654, 8/04, 32/00  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1921-1996 Jitsuyo Shinan Torocku Koho 1996-2005  Kokai Jitsuyo Shinan Koho 1971-2005 Torocku Jitsuyo Shinan Koho 1994-2005  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No.  X JP 7-324108 A (Nippon Zeon Co., Ltd.), 1-14,17-18, 12 December, 1995 (12.12.95), 29-30  Y Full text; all drawings; particularly, Claims 1, 2; Par. Nos. [0016] to [0018], [0027] to [0030]  & US 5061771 A & DE 3937865 A & FR 2639046 A  Y JP 53-3356 B2 (Soruvuei and Co.), 3-4,19-20  Of Pebruary, 1978 (06.02.78), Full text; all drawings & EB 780758 A & NL 7202988 A & DE 233086 A & FR 2130231 A & CH 543546 A & GB 1391067 A & GB 1391068 A     Special categories of cited documents:								
Minimum documentation searched (classification system followed by classification symbols)   Int. Cl <sup>7</sup> GO2B1/04, CO8F4/642, 4/654, 8/04, 32/00	According to International Patent Classification (IPC) or to both national classification and IPC							
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## INTERNATIONAL SEARCH REPORT

International application No.

Category*	n). DOCUMENTS CONSIDERED TO BE RELEVANT	
Y Category*	Citation of document, with indication, where appropriate, of the relevant passages	
ĭ	JP 4-168109 A (Mistui Sekiyu Kagaku Kabushiki Kaisha), 16 June, 1992 (16.06.92), Full text; all drawings; particularly, Claims; page 2, lower right column to page 3, lower left column, line 20 (Family: none)	5-6,21-22
Y	JP 2003-119213 A (Idemitsu Petrochemical Co., Ltd.), 23 April, 2003 (23.04.03), Full text; all drawings; particularly, Claims 1, 4, 7 to 8 (Family: none)	7-8,23-24
Y	JP 8-3213 A (Mitsubishi Chemical Corp.), 09 January, 1996 (09.01.96), Full text; all drawings; particularly, Claim 1; Par. Nos. [0017], [0020] to [0023] (Family: none)	9-10,25-26
Y	JP 1-170605 A (Mitsui Toatsu Chemicals, Inc.), 05 July, 1989 (05.07.89), Full text; all drawings; particularly, Claims (Family: none)	11-12,27-28
Y .	JP 2003-160620 A (JSR Corp.), 03 June, 2003 (03.06.03), Full text; all drawings; particularly, Par. No. [0052] & EP 1293521 A2 & US 2003/0119961 A1 & US 6844403 B2 & KR 2003023538 A & TW 570934 A	15,31
Y	JP 2002-303788 A (Konica Corp.), 18 October, 2002 (18.10.02), Full text; all drawings; particularly, Par. Nos. [0031] to [0033] & EP 1199717 A2 & WO 02/33700 A2 & WO 02/37484 A2 & US 2002/0135891 A1 & AU 200194248 A & KR 2002030259 A & CN 1351337 A & CN 1349121 A & TW 561473 A & TW 567483 A	16

発明の属する分野の分類(国際特許分類(IPC)) Int.Cl.<sup>7</sup> G02B1/04, C08F4/642, 4/654, 8/04, 32/00

## B. 調査を行った分野

調査を行った最小限資料(国際特許分類(IPC))

Int.Cl.<sup>7</sup> G02B1/04, C08F4/642, 4/654, 8/04, 32/00

## 最小限資料以外の資料で調査を行った分野に含まれるもの

日本国実用新案公報

1922-1996年

日本国公開実用新案公報

1971-2005年 1996-2005年 1994-2005年

日本国実用新案登録公報

日本国登録実用新案公報

国際調査で使用した電子データベース(データベースの名称、調査に使用した用語)

C. 関連すると認められる文献				
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連する	ときは、その関連する箇所の表示	関連する 請求の範囲の番号	
X Y	JP 7-324108 A (日本ゼオン株式会社に、[請求項1],[請求項2],[0016]-5061771 A & DE 3937865 A & FR 26	[0018],[0027]-[0030] & US	1-14, 17-18, 2 9-30 15-16, 19-28, 31	
Y	JP 53-3356 B2(ソルヴエイ・アント文、全図 & US 4210738 A & BE 78075 A & FR 2130231 A & CH 543546 A &	8 A & NL 7202988 A & DE 2213086	3-4, 19-20	
▼ C欄の続きにも文献が列挙されている。  「 パテントファミリーに関する別紙を参照。				
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願目前の出願または特許であるが、国際出願日以後に公表された文献で出願と矛盾するものではなく、発明の原理をの理解のために引用するもの 「X」特に関連のある文献であって、当該文献のみの新規性又は進歩性がないと考えられるものの新規性又は進歩性がないと考えられるものの対象は、理由を付す) 「O」口頭による開示、使用、展示等に言及する文献「P」国際出願日前で、かつ優先権の主張の基礎となる出願「&」同一パテントファミリー文献			明の原理又は理論 亥文献のみで発明 られるもの 亥文献と他の1以 別である組合せに	
国際調査を完了	アレた日 02.06.2005	国際調査報告の発送日 21.6	. 2005	
日本国	D名称及びあて先 国特許庁(ISA/JP) 郵便番号100-8915 那千代田区殿が関三丁目4番3号	特許庁審査官(権限のある職員) 森内 正明 電話番号 03-3581-1101 F	2V 9222 内線 3271	

C (続き).	関連すると認められる文献	
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
77-7-	3777人はから から自分が例をすることは、この内をする個別の数小	胡水の範囲の合う
Y	JP 4-168109 A (三井石油化学株式会社) 1992.06.16, 全文、全図、特に、特許請求の範囲,第2頁右下欄-第3頁左下欄第20行 (ファミリーなし)	5-6, 21-22
Y	JP 2003-119213 A(出光石油化学株式会社)2003.04.23,全文、全図、特に、[請求項 1],[請求項 4],[請求項 7]-[請求項 8] (ファミリーなし)	7-8, 23-24
Y	JP 8-3213 A(三菱化学株式会社)1996.01.09, 全文、全図、特に、 [請求項1],[0017],[0020]-[0023] (ファミリーなし)	9-10, 25-26
Y	JP 1-1706O5 A(三井東圧化学株式会社)1989.07.05, 全文、全図、 特に、特許請求の範囲 (ファミリーなし)	11-12, 27-28
Y	JP 2003-160620 A (ジェイエスアール株式会社) 2003.06.03, 全文、全図、特に、[0052] & EP 1293521 A2 & US 2003/0119961 A1 & US 6844403 B2 & KR 2003023538 A & TW 570934 A	15, 31
Y	JP 2002-303788 A (コニカ株式会社) 2002.10.18, 全文、全図、特に、[0031]-[0033] & EP 1199717 A2 & WO 02/33700 A2 & WO 02/37484 A2 & US 2002/0135891 A1 & AU 200194248 A & KR 2002030259 A & CN 1351337 A & CN 1349121 A & TW 561473 A & TW 567483 A	16
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